

P. Nolan

1644

P#8

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/296,662

DATE: 09/26/2000  
TIME: 08:30:53

Input Set : A:\20221Y Sequence Listing.txt  
Output Set: N:\CRF3\09262000\I296662.raw

```

4 <110> APPLICANT: Anthony Rosen
5   Donald W. Nicholson
6   Livia Casciola-Rosen
7   Felipe A. Andrade
8   Sophie Roy
9   Nancy A. Thornberry
11 <120> TITLE OF INVENTION: AUTOANTIGENIC FRAGMENTS, METHODS AND
12   ASSAYS
14 <130> FILE REFERENCE: 20221Y
16 <140> CURRENT APPLICATION NUMBER: 09/296,662
C--> 17 <141> CURRENT FILING DATE: 1998-04-22
19 <150> PRIOR APPLICATION NUMBER: 60/000,060
20 <151> PRIOR FILING DATE: 2000-04-22
22 <160> NUMBER OF SEQ ID NOS: 37
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 4
28 <212> TYPE: PRT
29 <213> ORGANISM: Human
31 <400> SEQUENCE: 1
32 Asp Glu Val Asp
33 1
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 4
37 <212> TYPE: PRT
38 <213> ORGANISM: Human
40 <400> SEQUENCE: 2
41 Ile Glu Ala Asp
42 1
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 5
46 <212> TYPE: PRT
47 <213> ORGANISM: Human
49 <400> SEQUENCE: 3
50 Val Ala Thr Asp Ala
51 1 5
53 <210> SEQ ID NO: 4
54 <211> LENGTH: 5
55 <212> TYPE: PRT
56 <213> ORGANISM: Human
58 <400> SEQUENCE: 4
59 Val Asp Pro Asp Tyr
60 1 5
62 <210> SEQ ID NO: 5
63 <211> LENGTH: 5
64 <212> TYPE: PRT
65 <213> ORGANISM: Human

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OCT 02 2000

TECH CENTER 1600/2000

RAW SEQUENCE LISTING DATE: 09/26/2000  
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Input Set : A:\20221Y Sequence Listing.txt  
Output Set: N:\CRF3\09262000\I296662.raw

67 <400> SEQUENCE: 5  
68 Leu Glu Glu Asp Ala 5  
69 1 5  
71 <210> SEQ ID NO: 6  
72 <211> LENGTH: 5  
73 <212> TYPE: PRT  
74 <213> ORGANISM: Human  
76 <400> SEQUENCE: 6  
77 Leu Thr Pro Asp Lys  
78 1 5  
80 <210> SEQ ID NO: 7  
81 <211> LENGTH: 5  
82 <212> TYPE: PRT  
83 <213> ORGANISM: Human  
85 <400> SEQUENCE: 7  
86 Val Gly Pro Asp Gly  
87 1 5  
89 <210> SEQ ID NO: 8  
90 <211> LENGTH: 5  
91 <212> TYPE: PRT  
92 <213> ORGANISM: Human  
94 <400> SEQUENCE: 8  
95 Val Asp Pro Asp Ser  
96 1 5  
98 <210> SEQ ID NO: 9  
99 <211> LENGTH: 5  
100 <212> TYPE: PRT  
101 <213> ORGANISM: Human  
103 <400> SEQUENCE: 9  
104 Leu Gly Asn Asp Ser  
105 1 5  
107 <210> SEQ ID NO: 10  
108 <211> LENGTH: 5  
109 <212> TYPE: PRT  
110 <213> ORGANISM: Human  
112 <400> SEQUENCE: 10  
113 Val Glu Lys Asp Ser  
114 1 5  
116 <210> SEQ ID NO: 11  
117 <211> LENGTH: 5  
118 <212> TYPE: PRT  
119 <213> ORGANISM: Human  
121 <400> SEQUENCE: 11  
122 Val Thr Pro Asp Gln  
123 1 5  
125 <210> SEQ ID NO: 12  
126 <211> LENGTH: 5  
127 <212> TYPE: PRT  
128 <213> ORGANISM: Human

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Input Set : A:\20221Y Sequence Listing.txt  
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130 <400> SEQUENCE: 12  
131 Leu Gly Pro Asp Glu  
132 1 5  
134 <210> SEQ ID NO: 13  
135 <211> LENGTH: 5  
136 <212> TYPE: PRT  
137 <213> ORGANISM: Human  
139 <400> SEQUENCE: 13  
140 Val Ala Pro Asp Arg  
141 1 5  
143 <210> SEQ ID NO: 14  
144 <211> LENGTH: 5  
145 <212> TYPE: PRT  
146 <213> ORGANISM: Human  
148 <400> SEQUENCE: 14  
149 Ile Cys Pro Asp Met  
150 1 5  
152 <210> SEQ ID NO: 15  
153 <211> LENGTH: 5  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Human  
157 <400> SEQUENCE: 15  
158 Val Cys Thr Asp Lys  
159 1 5  
161 <210> SEQ ID NO: 16  
162 <211> LENGTH: 5  
163 <212> TYPE: PRT  
164 <213> ORGANISM: Human  
166 <400> SEQUENCE: 16  
167 Val Glu Gln Asp Met  
168 1 5  
170 <210> SEQ ID NO: 17  
171 <211> LENGTH: 5  
172 <212> TYPE: PRT  
173 <213> ORGANISM: Human  
175 <400> SEQUENCE: 17  
176 Val Asp Ser Asp Glu  
177 1 5  
179 <210> SEQ ID NO: 18  
180 <211> LENGTH: 5  
181 <212> TYPE: PRT  
182 <213> ORGANISM: Human  
184 <400> SEQUENCE: 18  
185 Ile Thr Pro Asp Pro  
186 1 5  
188 <210> SEQ ID NO: 19  
189 <211> LENGTH: 5  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Human

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Input Set : A:\20221Y Sequence Listing.txt  
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193 <400> SEQUENCE: 19  
194 Val Thr Pro Asp Pro  
195 1 5  
197 <210> SEQ ID NO: 20  
198 <211> LENGTH: 5  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Human  
202 <400> SEQUENCE: 20  
203 Ile Ser Ser Asp Arg  
204 1 5  
206 <210> SEQ ID NO: 21  
207 <211> LENGTH: 4  
208 <212> TYPE: PRT  
209 <213> ORGANISM: Human  
211 <400> SEQUENCE: 21  
212 Ile Cys Thr Asp  
213 1  
215 <210> SEQ ID NO: 22  
216 <211> LENGTH: 4  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Human  
220 <400> SEQUENCE: 22  
221 Val Asp Val Asp  
222 1  
224 <210> SEQ ID NO: 23  
225 <211> LENGTH: 4  
226 <212> TYPE: PRT  
227 <213> ORGANISM: Human  
229 <400> SEQUENCE: 23  
230 Ser Glu Val Asp  
231 1  
233 <210> SEQ ID NO: 24  
234 <211> LENGTH: 5  
235 <212> TYPE: PRT  
236 <213> ORGANISM: Human  
238 <400> SEQUENCE: 24  
239 Val Gly Pro Asp Phe  
240 1 5  
242 <210> SEQ ID NO: 25  
243 <211> LENGTH: 5  
244 <212> TYPE: PRT  
245 <213> ORGANISM: Human  
247 <400> SEQUENCE: 25  
248 Asp Glu Val Asp Asn  
249 1 5  
251 <210> SEQ ID NO: 26  
252 <211> LENGTH: 4  
253 <212> TYPE: PRT  
254 <213> ORGANISM: Human

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Input Set : A:\20221Y Sequence Listing.txt  
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256 <400> SEQUENCE: 26
257 Tyr Val Ala Asp
258 1
260 <210> SEQ ID NO: 27
261 <211> LENGTH: 5
262 <212> TYPE: PRT
263 <213> ORGANISM: Human
265 <400> SEQUENCE: 27
266 Val Gly Pro Asp Ser
267 1 5
269 <210> SEQ ID NO: 28
270 <211> LENGTH: 4
271 <212> TYPE: PRT
272 <213> ORGANISM: Human
274 <400> SEQUENCE: 28
275 Ile Glu Thr Asp
276 1
278 <210> SEQ ID NO: 29
279 <211> LENGTH: 5
280 <212> TYPE: PRT
281 <213> ORGANISM: Human
283 <400> SEQUENCE: 29
284 Val Asp Gln Asp Gly
285 1 5
287 <210> SEQ ID NO: 30
288 <211> LENGTH: 5
289 <212> TYPE: PRT
290 <213> ORGANISM: Human
292 <400> SEQUENCE: 30
293 Val Leu Gly Asp Val
294 1 5
296 <210> SEQ ID NO: 31
297 <211> LENGTH: 5
298 <212> TYPE: PRT
299 <213> ORGANISM: Human
301 <400> SEQUENCE: 31
302 Asp Trp Val Asp Gly
303 1 5
305 <210> SEQ ID NO: 32
306 <211> LENGTH: 2101
307 <212> TYPE: PRT
308 <213> ORGANISM: Human
310 <400> SEQUENCE: 32
311 Met Thr Leu His Ala Thr Arg Gly Ala Ala Leu Leu Ser Trp Val Asn
312 1 5 10 15
313 Ser Leu His Val Ala Asp Pro Val Glu Ala Val Leu Gln Leu Gln Asp
314 20 25 30
315 Cys Ser Ile Phe Ile Lys Ile Ile Asp Arg Ile His Gly Thr Glu Glu
316 , 35 40 45

```

*FYI*

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/296,662 DATE: 09/26/2000  
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Input Set : A:\20221Y Sequence Listing.txt  
Output Set: N:\CRF3\09262000\I296662.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 34